

19990812.qrp v01_n546.qrl.990812

Date: Thu, 12 Aug 1999 19:03:10 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1546

QRP-L Digest 1546

Topics covered in this issue include:

- 1) [47381] Not quite QRP? - detection of QRP Microwave energy, Paper?
by ke3fl@juno.com
- 2) [47382] Regen detector question
by Bill Meara <n2cqr@erols.com>
- 3) [47383] 73 de VE6YC
by Peter Larsen <larsenp@cadvision.com>
- 4) [47384] Re: Query/Proposal
by "George Heron" <n2apb@erols.com>
- 5) [47385] Re: [A ground plane too far....]
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- 6) [47386] Re: Simple, usable DF setup?
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- 7) [47387] Y2K contest announcement
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by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 10) [47390] Re: Source for low value trimmer caps? Update
by "Larry Przyborowski" <lprzyski@erols.com>
- 11) [47391] More Swap stuff
by K4NK@aol.com
- 12) [47392] Re: Power Station
by Phil Wheeler <w7ox@mindspring.com>
- 13) [47393] Re: Paddlette Door Prize at Tuthill
by Phil Wheeler <w7ox@mindspring.com>
- 14) [47394] 2N2/40 Crystal Sets
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 15) [47395] Re: Regen detector question
by "Paul Harden, NA5N" <na5n@rt66.com>
- 16) [47396] Fw: [Handi-Hams] 2m HT for person with poor finger dexterity?
by k5xu@concentric.net
- 17) [47397] August Austin QRP meeting
by Glen Reid <k5fx@flash.net>
- 18) [47398] Need help on recvr kits
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 19) [47399] New web page up!!!! - NW7DX

- by PUNISHER3@aol.com
- 20) [47400] Re: Wien Bridge Oscillator
by Jeff Furman <jfurman@ocs.net>
- 21) [47401] For Sale: Ten Tec Argosy Accessories
by "R. E. Weston" <rossew@juno.com>
- 22) [47402] Value of St. Louis tuner kit?
by "Bill Legge, NT1R" <wlegge1@maine.rr.com>
- 23) [47403] FREE QRP EMAIL ACCOUNTS!
by Daniel Bartlett <ausham@rocknet.net.au>
- 24) [47404] want
by "Perley Urquhart" <n1yuk@nemaine.com>
- 25) [47405] NYTIMES article, a must read
by Wb4jjj@aol.com
- 26) [47406]
by "wb8qyy" <wb8qyy@one.net>
- 27) [47407] Re: Q, losses etc
by Zack Lau <zlau@arrl.org>
- 28) [47408] Re: Source for low value trimmer caps?
by Zack Lau <zlau@arrl.org>
- 29) [47409] Re: ARRL Tech Info Web Pages
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 30) [47410] Re: W1RFI/0
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 31) [47411] Re: Bulk gel-cell trickle charging
by JPD <jdanter@mail.i-america.net>
- 32) [47412] GREAT NEWS
by hamjoel@juno.com
- 33) [47413] subscribe
by W8IRQ@aol.com
- 34) [47414] FW: Morse Mate
by "George Goodroe" <goodroe@worldnet.att.net>
- 35) [47415] Re: ARRL Tech Info Web Pages
by Brian Murrey <brian@iquest.net>
- 36) [47416] Vectronics QRP Kits
by Paul L Conant <WQ5X@compuserve.com>
- 37) [47417] Re: GREAT NEWS
by "Bill Todd" <bill@willapabay.org>
- 38) [47418] (no subject)
by W8IRQ@aol.com
- 39) [47419] Re: Vectronics QRP Kits
by HWRM1SS@aol.com
- 40) [47420] RE: Source for low value trimmer caps?
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 41) [47421] AR QRP 40m Net Results
by Robsparks@aol.com
- 42) [47422] ht for mobility impaired person, tn timer help
by Scott Howell <whowell@hq.nasa.gov>
- 43) [47423] Funny baling wire device.

- by Ed Loranger <we6w@qsl.net>
- 44) [47424] CQC Summer QSO Party Coming Soon
by "Marshall Emm" <mgemm@mtechnologies.com>
- 45) [47425] Re: Vectronics QRP Kits
by igeq100@iupui.edu
- 46) [47426] Re: Simple, usable DF setup?
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 47) [47427] Pacificon Preregistration for Badges
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 48) [47428] DSW-40 won't tune... longish or long-winded.
by "Elam, Gerry (CORP)" <gerry.elam@corporate.ge.com>
- 49) [47429] Jerry Parker's email address for Pacificon Badge Registration
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 50) [47430] Looking for Manual
by Larry East <w1hue@amsat.org>
- 51) [47431] QRP Contesting This Weekend
by Ken Newman <N2CQ@citnet.com>
- 52) [47432] RE: Next NorthWest QRP Club Meeting
by Steve Baranowski <stevebar@ix.netcom.com>

Date: Wed, 11 Aug 1999 19:08:32 -0700
From: ke3fl@juno.com
To: qrp-l@lehigh.edu
Subject: [47381] Not quite QRP? - detection of QRP Microwave energy, Paper?
Message-ID: <19990811.191209.12326.1.ke3fl@juno.com>

I received this request from a good friend of mine, unfortunately
I do not know the answer. If you do please send me & Chuck a copy.
Thanks...

Phil,
Do you know what the "test paper" is called which can indicate the
presence
of microwave energy? I've seen microwave oven testers which you hold
close
to an oven door to test for emissions. If the microwave energy is
present
it changes color depending on intensity. I am trying to figure out a way
to
map the radiation pattern of our microwave sensor. It is low power but
possibly could be overdriven for a test if necessary. I was thinking if
I
could get a good size sheet of this material we could see the pattern.
This
would be a lot simpler and more representative than taking many
measurements

with our test equipment.
Thanks,
Chuck

Please send info to: csmallwood@marsh-mcberney.com

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 11 Aug 1999 23:34:47 -0400
From: Bill Meara <n2cqr@erols.com>
To: qrp-1@Lehigh.EDU, homebrew@qth.net, gqrp@onelist.com
Subject: [47382] Regen detector question
Message-ID: <199908112335.TAA25240@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've been building some simple regen receivers using MPF102 FETs in the source follower configuration with a tickler coil. I understand how the regeneration works, but today I looked at the schematic and realized that I didn't understand how or where the detection occurs in this kind of circuit.

The old tube type regens seemed to be essentially grid leak detectors with feedback. But I don't see any "gate leak" equivalent circuit in the FET regen detectors.

NA5N had a diode between his detector and the audio stage so I know where the detection took place in that rx, but most of the FET regens that I see in SPRAT and elsewhere don't have any diode detectors. So, where's the detection taking place? I realize that for SSB and CW sigs, with the detector in oscillation you can look at it as a sort of product detector with the oscillations mixing with the incoming signal to produce audio... but how does this happen when you are tuning AM sigs with the regen stage operating just below critical feedback (no oscillation)?

(I'm having a blast buuuilding my second regen -- it is designed by G-QRP's Keith Ranger and appeared in SPRAT. I'm using the "isolation pad" technique, gluing little squares of PC board material onto a ground plane PC board with Crazy Glue. I have my first regen tuned to the SW bands as I build. Yesterday morning Radio New Zealand was blasting in as I soldered. Very inspirational!)

73 de N2CQR
Bill Meara, Falls Church, Virginia
n2cqr@erols.com
<http://www.erols.com/wmeara>

Date: Wed, 11 Aug 1999 23:35:17 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: Low Power <qrp-l@Lehigh.EDU>
Subject: [47383] 73 de VE6YC
Message-ID: <37B1FAA5.7102C868@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi to all of my friends, or should I say bye?
It is time for me to unsubscribe from the list.
It has been fun and informative over the last few years on the
reflector.
I would like to thank Chuck et al who keep this list on the straight
and narrow. Great job guys and thank you for letting me be here.

QRP or QRO
Multi-element phased arrays or simple wire antennas
CW or SSB
Above all have fun!

73 All!

I will have a new e-mail address next monday. ve6yc@home.ca

Peter
VE6YC

Date: Wed, 11 Aug 1999 21:20:38 -0500
From: "George Heron" <n2apb@erols.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <rlw@frii.com>
Subject: [47384] Re: Query/Proposal
Message-ID: <009e01bee469\$475c8fa0\$a998accf@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There's a *very* good paperback book put out by Joe Mikuckis, K3CHP called "K3CHP's DX QSL GUIDE" that gives tons of common QSO- and QSL-related phrases in different languages. Joe contributed a number of his books for the Atlanticon QRP Forum prize drawings and I was sure sorry that I didn't win one of them.

It's relatively inexpensive. You can contact K3CHP at k3chp@erols.com

73, George N2APB
n2apb@amsat.org in Baltimore, MD

>... Does anyone know
>of a phrase book that has simple phrases and greetings in multiple
>languages? Things like Hello, Good-bye, Please, Thank You...etc. that I
>could use on QSL cards distended to DX OPs.

Date: 11 Aug 99 21:16:12 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: ccart@phideaux.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47385] Re: [A ground plane too far....]
Message-ID: <19990812011612.5098.qmail@nwcst315.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Chris,
Perhaps the worlds largest man made groundplane! The oceans conductivity
y
closely approximates a perfect groundplane and by virtue of area are vastly
superior! :o)

73 Roy Lincoln WA4DOU Elm City,N.C.

-----=
- =

=

=

Chris

Cartwright Sr <ccart@phideaux.com> wrote:

Or, how far will people go for the perfect antenna:) I was looking through "Antenna Systems & Technology" and came across an inset that talked about the new 50 x 80 METER!! ground plane that Liberty Labs has installed for antenna testing. It's the worlds largest ground plane! <sn=ip>

Date: Wed, 11 Aug 1999 21:37:44 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [47386] Re: Simple, usable DF setup?
Message-ID: <3.0.32.19990811213740.0072b2d4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:35 AM 8/11/99 -0700, you wrote:

>Hi gang. As a former military radio direction finder,
>and one who really enjoyed that job, I've always kept
>this project somewhere in the back of my mind.

>

>Anyway, I've recently moved this project up. It seems
>valuable amidst all the unknown QRM found at the new
>QTH, perhaps I'd have fun locating it.

>

>

>72 all es enjoy ham radio! -Ed we6w

Ed,

This not exactly what you are looking for but it is related to noise finding.

Some may have described this but I've never stumbled across it. It's a way of determining both direction and distance to a noise source.

A simple experiment in the backyard with a nasty battery operated door bell or other spark source and a portable SW receiver will verify this.

At a distance of wavelength divided by two pi there is a transition zone where induction field equals the radiation field. If you approach a source with, say, a loopstick antenna, outside the transition zone max signal will be broadside to the loopstick. In the transition zone,

the max is broadside and end on and inside the zone max signal is end on to the loopstick.

In the average neighborhood, noise problems are usually within a few thousand feet so you need a receiver that tunes below the broadcast band and tune around whilst listening to the noise and rotating the portable Rx trying to find the frequency of the transition zone (plug that frequency into the formula and you have the distance) then tune lower and get a broadside fix for direction. Or you can tune higher and go inside the zone with end on fixes. As you get closer you can pinpoint the source best by receiving at higher frequencies and eventually by going to an ultrasonic Rx, actually pinpoint the insulator on a pole or a loose wire. This REALLY establishes your credibility with the power crews!

At one time I was running two 5/8 wave phased verticals on 30 meters in an old neighborhood. (11 degree take off angle) YOW! What noise! It turned out that the area was wired with tar impregnated fabric insulation on the lines and that same wire was used to do the U shaped wrap at each High Tension bee-hive insulator. Well 50 years ageing and the fabric fell off etc leaving spark gaps. Eventually the utility replaced every pole etc in a 1/2 mile radius. There is a public law regarding noise if you need to get their attention but it's best to be courteous and knowledgeable. Now I live in the country on a dead end road HI!

72/3/88

Pete NV4V vvvvvvvvvvv

PS..more info available in Henry Ott's book "Noise Reduction Techniques In Instrumentation" regarding the fields..

Date: Wed, 11 Aug 1999 21:50:26 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [47387] Y2K contest announcement
Message-ID: <37B22860.925EC277@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I, for one, be operating from the Georgia State Operations Center in the GEMA HQ. If the diesel generators kick in, what's the multiplier? Also know what I'm doing for SK nite...

72 de Mike, K04WX

--

Michael C. Boatright, Sr. Tech Lead, iXL Atlanta
District Emergency Coordinator, Georgia Emergency Management Agency
404-267-7989, ko4wx@mindspring.com

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Wed, 11 Aug 1999 21:01:02 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [47388] Power Station
Message-ID: <03c801bee466\$90fc3f00\$f11adfd1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1250"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All, I saw this ad in QST about The Power Station. Its a 12V X 7A/Hr
Gel Cell battery, comes with built in voltmeter, a wall charger, and a
cigarette lighter for charging via automobile. The company is The Ham
Contact.

If anybody has one of these or knows something about them, I am thinking of
buying one, and would like to hear from you!! I will be using it portable
with my SWL40+ and my new DSW20.

Thanks

Charles
KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919
<http://www.angelfire.com/de/kc5dxq/index.html>

Date: Wed, 11 Aug 1999 21:02:38 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: n2cqr@erols.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47389] Re: Regen detector question
Message-ID: <00ae01bee466\$c1ed3ce0\$f637a497@aa5tb>

MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Bill,

The way I understand regenerative N-channel FET detection is that the gate is slightly biased negative with respect to the source because any current that flows through the FET causes a voltage drop across the source resistor and brings the source potential above ground. This creates a negative bias on the gate with respect to the source and brings the FET to near cutoff until an RF waveform is applied to the gate. Therefore, current only flows through the FET during the positive half of the RF cycle causing rectification of the signal (with the help of the "grid leak" circuit). The source resistor is bypassed for RF with a parallel capacitor but not for audio. Audio is usually taken from across this source resistor (source to ground).

The AM detection and CW / SSB detection take place the same way, one just has an additional RF carrier to throw in the mix for CW / SSB. This RF carrier (LO) is created when the regenerative (positive feedback) is enough to create a sustained oscillation.

The conventional "grid leak" resistor and capacitor in the gate circuit are to provide an automatic increase in negative bias with increasing RF amplitude and to help in detection. This provides for nearly constant amplitude from the detector when in the oscillating mode this greatly improves SSB and CW operation. The function of the "grid leak" circuit is the same as in vacuum tube circuits. That is, the capacitor is chosen to have a high reactance at audio frequencies and is charged during the modulation envelope of the RF cycle. The resistor provides a "leakage" path for the capacitor to discharge so that the grid doesn't "float" high. This helps in the detection process by building up the grid bias during the modulation envelope.

I hope this all makes sense to you. It almost does to me :-)

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Wed, 11 Aug 1999 22:23:03 -0400

From: "Larry Przyborowski" <lprzyski@erols.com>
To: <paule@sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [47390] Re: Source for low value trimmer caps? Update
Message-ID: <000b01bee469\$9c1b81e0\$7280accf@k3peg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Ceramic Trimmer caps-

Again, Hi Paul and group:

See www.mouser.com also. Just located my catalog and they too have ceramic trim caps made by Xicon. 1.8 to 6 pF, part # 24AA080 @ \$ 1.06> each (5 mm size pcb mount w/ solder tabs). They also have another which is a surface mount type: 1.8 to 6 pF, part # 24AA070 @ \$ 0.97 ea. (5mm size). Both are rated at 200 WVDC.

No minimum order to U.S., Canada and Mexico !
Online ordering too.

Again: Standard disclaimer: I don't work for them; I'm just a happy customer!

>

> 72 de Larry K3PEG -.-

>

Date: Wed, 11 Aug 1999 22:32:21 EDT
From: K4NK@aol.com
To: qrp-1@lehigh.edu
Subject: [47391] More Swap stuff
Message-ID: <57fe5bd6.24e38c35@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a almost new in the box MFJ-9015 , 15 meter cw rig I would like to trade for a older tube rcvr or tx. Looking for stuff from the 1960's. I also still have the KLM "Echo 70" 432 xcvr with a TPL amp , also for trade. Please E-mail direct. Thank You

Date: Wed, 11 Aug 1999 19:44:19 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: cdhamel@pdq.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47392] Re: Power Station
Message-ID: <37B23503.152F88E9@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have two, Charles.

One is about 3 yrs old, and still works fine. The other is six months old.

I picked them up at the TRW swap meet and avoided shipping.

I think they are a very good buy, even with shipping; NOT for backpacking tho! I use them car camping, to power my telescope, etc. Nice and flexible general purpose device.

Next Field Day, they will power my K2.

Phil

Charles Hamel wrote:

>
> Hi All, I saw this ad in QST about The Power Station. Its a 12V X 7A/Hr
> Gel Cell battery, comes with built in voltmeter, a wall charger, and a
> cigarette lighter for charging via automobile. The company is The Ham
> Contact.
>
> If anybody has one of these or knows something about them, I am thinking of
> buying one, and would like to hear from you!! I will be using it portable
> with my SWL40+ and my new DSW20.
>
> Thanks
>
> Charles
> KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919
> <http://www.angelfire.com/de/kc5dxq/index.html>

Date: Wed, 11 Aug 1999 19:54:22 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: ki7mn@extremezone.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [47393] Re: Paddlette Door Prize at Tuthill
Message-ID: <37B2375E.4EE205EE@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey, Bob .. maybe it was you, and you just forgot. Just thought!

Phil

Bob Hightower wrote:

>
> Somehow, I missed recording who won the Paddlette key as a door prize at Ft
> Tuthill. Bob Hammond, BHam379627@aol.com, needs to contact that individual
> re: a fix to cure false keying caused by RFI.
>
> If you are the individual who won the key, please contact Bob directly for
> the fix.
>
> Sorry for the BW, guys, but my mind must have been on a break at the drawing.
>
> Bob Hightower KI7MN
>
> <http://www.extremezone.com/~ki7mn>

Date: Wed, 11 Aug 1999 23:10:23 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [47394] 2N2/40 Crystal Sets
Message-ID: <3.0.1.32.19990811231023.00718554@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang.....I've decided to reopen the offer to sell crystal sets
for the 2N2/40 rig, and others that can use a crystal
filter at 4.9152MHz. I can provide sets available as follows:

5 crystals - 3 matched to within 5 Hz	\$10.00
6 crystals - 4 matched to within 5 Hz	\$12.00
8 crystals - 6 matched to within 5 Hz	\$20.00

All sets include the pair of crystals used for the Rx and Tx local oscillators. The crystals are Vishay/Dale series units, which have the highest Qs of any crystal that I've tested. Many of the sets will have all crystals on the same frequency, but I don't want to be held to that accuracy.

The prices include continental U.S. shipping. To Canada is an additional \$1.00. To other far places, we'll have to figure out what the additional charge will be.

The six and eight crystal sets are for those who want to upgrade the filter in the 2N2/40, but you are on your own to do the design and layout. Also, the 6 matched set will probably require some additional stage gain, to make up for the added loss of the additional crystals.

If interested, send me a private e-mail with the number of sets you would like, and which kind(s).

Your e-mail confirmation will include acceptable payment methods, and my mailing address.

Thanks to all; The first time I did this, it went very smoothly, and everybody was happy as far as I know, and that's why I'm willing to do it again.

Jim, K8IQY

Date: Wed, 11 Aug 1999 21:31:16 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Bill Meara <n2cqr@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [47395] Re: Regen detector question
Message-ID: <Pine.SUN.4.10.9908112109450.16395-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill, and others,
There are two different ways your FET regen is detecting, or deriving the audio.

First, a regen stage is, in essence, a product detector. With an AM station, you tune it until the pitch of the oscillation disappears, that is, for zero beat. All that is left is the audio when at zero beat. One disadvantage of this approach is as your oscillator begins to drift, it will slowly creep off of zero beat to make a low frequency rumble, distorting the audio, and eventually a discernable heterodyne tone, requiring it to be retuned to zero beat.

The second method is to place an RFC or inductor in the drain lead of the regen stage FET. Even an audio transformer is sometimes used. The point is to keep RF from crossing that point and only allowing the low frequencies, that is, the audio, to pass. Your basic RF "choke."

The equation for X_L shows how this works. $X_L = 6.28fL$
For a given inductor, say 10uH, as the frequency is raised, the impedance of the inductor goes up. It will be about 1K ohm at 10MHz RF. But the same inductor will have a very low impedance at audio frequencies. Thus, the inductor presents a high impedance (high resistance) to RF, but very low resistance at audio. Electrons take the path of least resistance, so the audio frequencies will pass. The audio is being "extracted" from the circuit and become a detector of sorts.

So if you are sucking the RF away by the inductor, how does the RF get amplified then? Well, that's where the regen feedback comes into play. You "feedback" enough RF almost to the point of oscillation to make the regen stage a very high voltage gain amplifier. The amplification is a function of the feedback path, or through the tickler coil, or however the regen stage performs the feedback. The audio, being modulated on the RF, is what is being extracted from the stage.

Hope that helps. Have fun with your regens.

72, Paul NA5N

Date: Wed, 11 Aug 1999 23:50:21 -0400
From: k5xu@concentric.net
To: <qrp-1@lehigh.edu>
Subject: [47396] Fw: [Handi-Hams] 2m HT for person with poor finger dexterity?
Message-ID: <01d701bee478\$93e947a0\$504aadce@mike>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

If you can help this person, please reply to the address within the forwarded message.

Mike Duke, K5XU

-----Original Message-----

From: Scott Howell <whowell@hq.nasa.gov>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Wednesday, August 11, 1999 4:21 PM

Subject: [Handi-Hams] 2m HT for person with poor finger dexterity?

>this isn't exactly qrp, but if you could help this person, it would be
>greatly appreciated.

>

>tnx es 73 de Scott/n3byy

>

>

>

>>From: "Harry Marnell" <marnells@snowcrest.net>

>>To: <handi-hams@qth.net>

>>Subject: [Handi-Hams] 2m HT for person with poor finger dexterity?

>>Date: Wed, 11 Aug 1999 12:34:36 -0700

>>X-MSMail-Priority: Normal

>>X-Mailer: Microsoft Outlook Express 4.72.3110.1

>>X-Mimeole: Produced By Microsoft MimeOLE V4.72.3155.0

>>Sender: owner-handi-hams@qth.net

>>

>>Looking for a 2-meter handheld for a Tech class person who's had a stroke
>>and has limited use of her fingers. Can use PTT and turn reasonably sized
>>knobs (1/4" or so), but not push buttons very well.

>>

>>A friend used to have a FT23 that, seemed to me pretty straight-forward
and

>>goof-proof. Are there other models around, don't need more than 10

>>channels, extended Rx is NOT necessary, but PL tones are. DTMF optional.

>>Don't need UHF. Looking for something not too fancy (translated: not
too

>>expensive), need not be new IF it works.

>>

>>Is EBAY a good source for buyers?

>>

>>Pls reply to marnells@snowcrest.net

>>

>>Harry Marnell, N6URU

>>

>>

>>
>>
>>
>>
>>
>>
>>
>

Date: Thu, 12 Aug 1999 00:19:04 -0500
From: Glen Reid <k5fx@flash.net>
To: QRP-l <qrp-l@lehigh.edu>
Subject: [47397] August Austin QRP meeting
Message-ID: <37B25948.25588BED@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

--The next irregular meeting of the slightly eccentric Austin QRP Club
will be at 11 AM on Saturday, August 14th at Luby's.

Check the AQRp web page : <http://www.flash.net/~k5hgb/aqrp.html> for
details.

Come on out and enjoy some real Austin ham radio stuff.

gr

--

GLEN REID
K5FX/M BGF

Austin...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5fx@arrl.net
GLEN REID
K5FX/M BGF

Austin...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5fx@arrl.net

Date: Thu, 12 Aug 1999 16:04:50 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47398] Need help on recvr kits
Message-ID: <37B26402.558D64F9@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Yesterday I posted a request but some how I got a returned mailer back.
Don't know what happened so I don't know if it was read by all.

I have had a request for schematics/kits for the following:

David Cunningham wrote:

> How about a simple, cheap and cheerful superhet circuit, for 160m and
> 80m, with coil winding details, using common bipolar transistors such
> as 2N2222's and no fancy passive mixers or xtal filters. Most receiver
> designs I have seen do not quote coil winding details, and those that
> do suggest amidon XYZ-123 cores, rather than the 4mm plastic coil
> formers which can often be salvaged from dismantled radio equipment
> and fill my junkbox. I have no problems making IF amplifiers, etc, but
> have had problems getting the RF tuning and local oscillator coils to
> track correctly over the band, and would welcome some practical
> advice.

Please can anyone give me pointers to sites with suitable projects/kits.

73's

Ian Purdie
VK2TIP "I'll give you the TIP mate"
Budgewoi N.S.W. Australia
Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)
QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>
URL - <http://www.qsl.net/vk2tip/>

"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

Date: Thu, 12 Aug 1999 02:34:53 EDT
From: PUNISHER3@aol.com
To: qrp-1@lehigh.edu
Cc: wwdxc-1@eskimo.com
Subject: [47399] New web page up!!!! - NW7DX
Message-ID: <22f7b7cb.24e3c50d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey,

I just uploaded my webpage to qsl.net so feel free to check it out. I have found a few things I need to fix, but all of the sudden my computer froze up and now my webpage program doesn't work (ya gotta love computers). So once I get everything all set up again, I will fix and add more things.

You can find my page at www.qsl.net/nw7dx

The page may take a little bit to load all the neat pictures but won't take long the next time you come to the page.

Thanks,

Tell me what you think

Ben - NW7DX
14yrs old

Date: Wed, 11 Aug 1999 23:20:06 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: alihermlem@hotmail.com, qrp-1@lehigh.edu
Subject: [47400] Re: Wien Bridge Oscillator
Message-ID: <Pine.LNX.4.04.9908112153490.15990-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad, I'll try to explain some of the phenomena you observe. By far, the easier to explain is the temporary amplitude instability related to tuning. The nonuniformity of the individual pots is insignificant when they're used for stereo audio control, however, if they don't track precisely, the actual gain through the bridge at the phase zero crossing will vary during tuning. The tungsten filament eventually regulates this

somewhat. In addition to the tracking, there may be some wiper noise that may disturb the loop amplitude temporarily. I know Hewlett-Packard made a ganged resistor tuned Wien bridge oscillator(model 204), but the pot was a beauty to

behold. They used a variable rate cam linkage to linearize the frequency scale, so I believe the pot was actually linear. HP also made some switch tuned oscillators with ganged resistor decades; of course, these are easier to adjust for tracking. The famous HP 200CD oscillators were all capacitor

tuned; I think the capacitors could be made to track well. I hope that helps, but it assumes you are familiar with the Wien Bridge operation. Your problem of amplitude instability at a certain frequency range will require a certain amount of handwaving on my part. I tend to think that the amplifier is the culprit in this case. TI says the TL072 has a GBW of 3MHz. That seems like enough bandwidth, since only a voltage gain of 3, or 9.5Db is required. It leaves a loop gain of about 10 at 100kHz. kind of low, so maybe it's pushing assumptions about the closed loop behavior. Generally, if the loop gain is low, say, below 100 or 40Db, second order effects of amplifier behavior start to become significant. Another effect is the common mode frequency response for the amplifier. The typical Wien bridge circuit with feedback to both inputs, depends on perfect common mode rejection. Common mode frequency response is typically much worse than the differential mode response, however TI does not specify this information. To cloud the issue further, slew rate limitations of the amplifier also cause phase shift like effects, and even nonlinear frequency effects. I can guess this bad frequency range is slightly different when tuning up than when tuning down through the region. Anyway, the problem here contributes to phase shift in the amplifier favoring operation other than where the Wien bridge is tuned. I can only guess the interaction of some bumpy amplifier phase response combined with your feedback network. The usual name for oscillator operation where the high frequency (desired) oscillation is severely modulated by a very much lower frequency oscillation is 'squegging'. This is used deliberately in superregenerative receivers, however it's not desired here.

I vaguely recall a circuit tweak that somewhat compensates for amplifier phase

shift. It is roughly, adding a small series resistor at the bottom of the parallel RC part of the bridge to ground. This is in some old Wien bridge analysis papers in IEEE journals from long ago...

The slew rate problem is explained in L.P.

Huelsman&P.E.Allen,"Introduction to the Theory and Design of Active Filters". I need to dig to properly reference the phase shift fix.

73, Jeff KD6MNP

Date: Thu, 12 Aug 1999 02:39:00 -0400
From: "R. E. Weston" <rossew@juno.com>
To: qrp-1@lehigh.edu
Subject: [47401] For Sale: Ten Tec Argosy Accessories
Message-ID: <19990812.023916.13438.1.rossew@juno.com>

Model 223 Noise Blanker for serial numbers before 826 > \$30.00 shipped
Model 224 Audio CW Filter > \$30.00 Shipped
Model 226 Crystal Calibrator > \$30.00 Shipped
Model 225 9 Amp Power Supply > \$60.00 Shipped

Ross Weston (W8REW)
rossew@juno.com

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 12 Aug 1999 06:01:46 -0400
From: "Bill Legge, NT1R" <wlegge1@maine.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [47402] Value of St. Louis tuner kit?
Message-ID: <199908120955.FAA02198@proxye1-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello,
Have an unbuilt St. Louis tuner I want to sell, but don't remember the
original price. Thanks in advance if you can help. 72
Bill Legge, NT1R in Yarmouth, ME
QRP-L #912

Date: Thu, 12 Aug 1999 20:12:02 +1000
From: Daniel Bartlett <ausham@rocknet.net.au>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [47403] FREE QRP EMAIL ACCOUNTS!
Message-ID: <01BEE4FE.F5C4E3E0@rocknet>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

G'day All!

I have created a web-based email server just for QRPers!
Get your FREE, callsign@qrp.zzn.com email address, just by going to
<http://qrp.zzn.com>!
Daniel Bartlett, VK4HDB (Age 14, 1999)

73 and Best Regards
Daniel Bartlett, VK4HDB :-)
<http://www.qsl.net/vk4hdb>
ausham@rocknet.net.au

Date: Thu, 12 Aug 1999 06:56:19 -0400
From: "Perley Urquhart" <n1yuk@nemaine.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [47404] want
Message-ID: <003401bee4b1\$4f803860\$1a4488d0@urquhart>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for a QRP/QRO rig, like a Century 21, C22, Scout, or something
similiar. Also, would consider a Ten Tec QRP rig. What have you to get rid
of?? Perley, N1YUK, Maine

Date: Thu, 12 Aug 1999 07:58:20 EDT
From: Wb4jjj@aol.com
To: QRP-L@lehigh.edu
Subject: [47405] NYTIMES article, a must read
Message-ID: <7f030cd.24e410dc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This morning's NY Times has a neat article on Morse Code and hams with lots
of good positive stuff from Nancy Kott of Fists and stories about the Queen
Bee net and how polite male hams are to women, etc. Good, broad,
wide-ranging sentimental reader appeal to this write-up.

Plus the usual and mandatory two paras from the gov't on how they have dropped all pretense at Morse Code as a retro mode, and the (now) usual statement from the League (yes, I write them a check every year) on how retro I am personally as a dying breed CW op. This time it was an ARRL (The National Association of Ham Radio) sales or customer rep, not one of the officers, at least.

Good piece, little harm done. Big positive piece (halfa page) for ham radio.

73

Alan A. Wheeler

WB4JJJ

Fairfax, Virginia

<http://members.aol.com/wb4jjj/hamradio/>

Date: Thu, 12 Aug 1999 08:24:39 -0400
From: "wb8qyy" <wb8qyy@one.net>
To: <qrp-1@Lehigh.EDU>
Message-ID: <001601bee4bd\$a71f70c0\$6401020a@lsiindustries.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All

Ref the email from Alan A. Wheeler, WB4JJJ
here is a link to the NY Times article on CW...

<http://w3.one.net/~gentzow/code/code.htm>

73

Dieter WB8QYY

Date: Thu, 12 Aug 1999 08:31:19 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@lehigh.edu
Subject: [47407] Re: Q, losses etc
Message-ID: <37B2BE97.9C21BB3E@arrl.org>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I suggest looking at HF/6M losses of inductors wound on type 67 ferrite material. I used it to make a 1 dB NF Norton feedback amp.
73--Zack W1VT

Date: Thu, 12 Aug 1999 08:39:45 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [47408] Re: Source for low value trimmer caps?
Message-ID: <37B2C091.6C442B89@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Why not the 0.25 to 1.5 pF PTFE caps by Sprague?
Air piston trimmers are the pricey way to go.
Zack W1VT

Date: Thu, 12 Aug 1999 09:35:07 -0400
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [47409] Re: ARRL Tech Info Web Pages
Message-ID: <37B2CD8B.1793@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dean W Manley wrote:

> Ed:

> I spent an hour yesterday at the ARRL Tech Info Web Pages.
> Very nice, easy to use and also very useful. Any chance
> to add the HI QRP Club web page to your QRP listings?

> <http://chem.hawaii.edu/uham/hiqrp.html>

Hi, Dean,

The basic criteria we use to decide whether to include an organization are that it needs to be at least regional in scope, rather than local, encouraging membership from more than just a local area, and that it should have some type of newsletter (electronic or paper) and/or a Web page.

Considering that you probably accept membership for all who reside within 1000 miles of HI, you are regional, right? :-)

Al, AA1D0, will let you know when... I mean if (:)) you are entered.

73,
Ed, W1RFI

Ed wrote:

Date: Thu, 12 Aug 1999 10:25:53 -0400
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [47410] Re: W1RFI/0
Message-ID: <37B2D971.58BF@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Hare, W1RFI wrote:

> If all goes as planned, I will be on the air as W1RFI/0 early Sunday
> evening, from somewhere near the hotel (I hope they have a picnic
> table.) Look for me and the Tuna Tin 2 around 7040 kHz starting about
> 2400 UTC on Sunday evening.

I had a couple of inquiries from folks who wanted to meet the Tuna Tin 2... I mean me :-), so let me add that any local QRPers are welcome to stop by the Days Inn, 15059 W Colfax, Golden, CO and meet the Tuna Tin 2. If I can find a site and the weather holds, it will be on 7040 kHz around 2300 UTC on Sunday evening. If you would like to operate the Tuna Tin 2, you are welcome to use W1RFI or Y0URcall/TT2 to let fellow QRPers know that they are having a QSO with the original. If I am not going to be easy to find near the Days Inn, I will leave word with the

front desk on where to find me. You may have to ask the supervisor, if all of the staff aren't informed of my whereabouts.

On a related note, the TT2 will be at the ARRL West Virginia Convention at the Jacksons Mill center in Weston. I will be operating off and on 8/27 evening, 8/28 morning and evening. It is kinda' rough squeezing in operating while traveling, but I am trying to give lots of QRPers a shot at working or operating it.

73,
Ed, W1RFI

Date: Thu, 12 Aug 1999 10:32:39 -0700
From: JPD <jdanter@mail.i-america.net>
To: qrp-l@Lehigh.edu
Subject: [47411] Re: Bulk gel-cell trickle charging
Message-ID: <37B30537.1A8F@mail.i-america.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

See QST, Dec 97, Trickle Charger, pgs 36-38, by Mark L. Meyer, WU0L.
Probably a couple more parts than in one's parts bin.
A simple sequential circuit for battery maintenance.

The post recommending used gel-cells from alarm companies is a good one.
It will save the alarm company money, due to the cost of recycling.

Hospitals change the backup batteries for their Fire and Security systems annually,
for insurance purposes.
An excellent opportunity to acquire the large AH batteries for Field Day, etc.

Note: This is only when the Hosp. Facilities Mgrs. do not have first call.
Riding lawn mowers and boat trolling motors are the mgrs. favorite applications.

JPD

Date: Thu, 12 Aug 1999 10:54:41 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [47412] GREAT NEWS

Message-ID: <19990812.105442.-212293.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Highest gang

Wow, I just got through with a sstv qso with Ka2hzo , Ron in NJ....
he ran 3 watts then 5 watts to an indoor attic dipole...

I could hear the excitement in his voice and I was able to send him a
replay of both pictures at my 4.5 watt level...

I am looking for someone to do sstv qrp where we can do the thousand
miles per watt thing.... I'm willing to put up a wire antenna for
whatever band we need to use... I have a sloper and a two element wire
yagi for forty and can get on the air most any time...

Joel KE1LA
In Maine

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 12 Aug 1999 11:00:10 EDT
From: W8IRQ@aol.com
To: qrp-l@lehigh.edu
Subject: [47413] subscribe
Message-ID: <92b08bd4.24e43b7a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would like to post a message. Nick Stanich,w8irq@aol.com

Date: Thu, 12 Aug 1999 11:00:27 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [47414] FW: Morse Mate
Message-ID: <003301bee4d3\$997b9c80\$e1ecfea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Has any one had any experience with Morse Mate...it was mentioned in last months QST as a morse decoder and also you can plug your key in and practice...

Have a look at <http://www.scyden.co.za/qrv> , click on "products and purchases" and choose "Morse Mate"

It seems to me that it would be a good trainer for sending practice...

Reply direct to save the bandwidth.

Thanks and 73 de KF4CPJ
George Goodroe, QRP-L #1943
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>
<http://home.att.net/~goodroe>
<http://www.qsl.net/kf4cpj>

Date: Thu, 12 Aug 1999 10:10:22 -0500
From: Brian Murrey <brian@iquest.net>
To: w1rfi@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47415] Re: ARRL Tech Info Web Pages
Message-ID: <37B2E3DE.8F414055@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Make that about 4000 miles Ed...I am a very happy member of the HI QRP club and I live in Indianapolis. Dean was my QRP HI contact a few months back, and still my best DX!

72

I think KF4KSM is probably even further from HI than I am, he's in western Fla..and he's a HI QRP member too!

In other words, Dean and the HI QRP Club aren't real picky about who becomes a member.

72

"Ed Hare, W1RFI" wrote:

>

> Dean W Manley wrote:

>

> > Ed:

>

> > I spent an hour yesterday at the ARRL Tech Info Web Pages.

> > Very nice, easy to use and also very useful. Any chance

> > to add the HI QRP Club web page to your QRP listings?

>

> > <http://chem.hawaii.edu/uham/hiqrp.html>

>

> Hi, Dean,

>

> The basic criteria we use to decide whether to include an organization

> are that it needs to be at least regional in scope, rather than local,

> encouraging membership from more than just a local area, and that it

> should have some type of newsletter (electronic or paper) and/or a Web

> page.

>

> Considering that you probably accept membership for all who reside

> within 1000 miles of HI, you are regional, right? :-)

>

> Al, AA1D0, will let you know when... I mean if (:-)) you are entered.

>

> 73,

> Ed, W1RFI

>

> Ed wrote:

Date: Thu, 12 Aug 1999 11:22:37 -0400

From: Paul L Conant <WQ5X@compuserve.com>

To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>

Subject: [47416] Vectronics QRP Kits

Message-ID: <199908121122_MC2-80C1-C4E6@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;

charset=ISO-8859-1

Content-Disposition: inline

Content-Transfer-Encoding: quoted-printable

I'd like to read some comments from folks who have built and used the Vectronics QRP transmitter and receiver kits. =

Paul, WQ5X

Date: Thu, 12 Aug 1999 08:26:06 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <hamjoel@juno.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [47417] Re: GREAT NEWS
Message-ID: <001401bee4d7\$008b8e00\$a1b5ded1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Joel -

Sounds like you are really getting a kick out of QRP and SSTV!!! Good for you.

Would you be willing to share with me what kind of SSTV equipment you are using in your station? Also, what kind of SSB QRP rig are you using, and did you have to improve/modify your SSB modulation performance at all?

Thanks -

Bill-N7MFB

-----Original Message-----

From: hamjoel@juno.com <hamjoel@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, August 12, 1999 8:07 AM
Subject: GREAT NEWS

>Highest gang

> Wow, I just got through with a sstv qso with Ka2hzo , Ron in NJ....

>he ran 3 watts then 5 watts to an indoor attic dipole...

> I could hear the excitement in his voice and I was able to send him a

>replay of both pictures at my 4.5 watt level...

> I am looking for someone to do sstv qrp where we can do the thousand

>miles per watt thing.... I'm willing to put up a wire antenna for

>whatever band we need to use... I have a sloper and a two element wire

>yagi for forty and can get on the air most any time...

>Joel KE1LA

>In Maine

>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 12 Aug 1999 11:24:57 EDT
From: W8IRQ@aol.com
To: qrp-1@lehigh.edu
Subject: [47418] (no subject)
Message-ID: <cdb7f65b.24e44149@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FS Index Labs QRP++,with manual mike, and original box, \$450.00
Nick,w8irq@aol.com

Date: Thu, 12 Aug 1999 12:17:52 EDT
From: HWRM1SS@aol.com
To: WQ5X@compuserve.com, njqrp@njqrp.org, qrp-1@lehigh.edu
Subject: [47419] Re: Vectronics QRP Kits
Message-ID: <dcad358e.24e44db0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul,

I am most intrerested in the Vectronics kits too -- they LOOK LIKE RAMSEY CLONES or COPIES but I can't verify that.

Tnx es 72

Howard K3HW

Date: Thu, 12 Aug 1999 12:22:45 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <k4mkx@netzero.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [47420] RE: Source for low value trimmer caps?
Message-ID: <000601bee4de\$e9139580\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

We used to refer to these as "gimmick" capacitors.

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Ted Beach
> Sent: Wednesday, August 11, 1999 2:02 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Source for low value trimmer caps?
>
>
> Stanley Wilson wrote:
> >
> > Twist a couple of wires together then cut off the length until
> you get it
> > tuned. Use solid wire. de stan ak0b
>
> I was going to post the same idea which I used m-a-n-y years ago!
> Only good for a one-shot tuning, however, and could be trouble if
> the dikes shorting the capacitor while clipping would cause a
> problem!
>
> Used to use the same idea to trim 300-ohm twinlead "traps" on tv
> sets to get rid of ghosts and unwanted signals.
>
>
> Ted Beach
>
> -----
> NetZero - We believe in a FREE Internet. Shouldn't you?
> Get your FREE Internet Access and Email at
> <http://www.netzero.net/download/index.html>
>

Date: Thu, 12 Aug 1999 12:39:18 EDT
From: Robsparks@aol.com
To: qrp-1@lehigh.edu
Subject: [47421] AR QRP 40m Net Results

Message-ID: <fc1009d0.24e452b6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The AR-QRP Net 5 QNIs last night including 2 new first time QNI's from GA. Propagation was fair but QRN from a nearby storm was evident. The net began at 0030Z and ended at 0100Z. Thanks to those who participated! Here are the stations that checked in:

N5IB	Jim	QNI with a 9-volt battery!
W2XN	Fred	
KE4R	Garrett	working on a new QRP kit!
K5TF	Dick	
K5UF	Randy	

We need replacement/fill-in NCS ops for the AR QRP nets. Please email me if you could fill in occasionally.

The NCS was Bob AB5ZD, using the AR QRP Club call NQ5RP, QTH Alexandria LA, running 5 watts to a G5RV up about 25 feet in pecan trees. Orientation of the ant wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:

Monday Night	0030Z	3.560 MHz
Wednesday Night	0030Z	7.042 MHz

Non-members are welcome (and encouraged) to QNI!

72,

Bob AB5ZD

Date: Thu, 12 Aug 1999 13:06:25 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [47422] ht for mobility impaired person, tnx for help
Message-ID: <3.0.5.32.19990812130625.007f2200@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

tnx to everyone who offer advice and to the individual who offer an ht at no charge. What a great and generous group Hams are and especially on this list.

tnx agn es 72/73 de Scott/n3byy

Laurel MD

Date: Thu, 12 Aug 1999 10:10:27 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [47423] Funny baling wire device.
Message-ID: <37B30003.496A@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Someone homebrewed this thing and it looks neat. I followed the photos to see how it works. Very basic and probably will make my own next time I have two items to clamp together.

You supply the baling wire :)

<http://www.dfssystems.com/>

No connection, yada, yada, yada.... Haven't tried it, just looks like a good read. 72/Ed we6w

P.S. For text only users, this is a 3 part device. And outer sleeve about 9 inches with two opposed metal rods, about 1.5 inches long and welded to the bottom third of the hollow metal sleeve. A internal Bolt extends fully 3 inches at each end of the sleeve and slides in/out. A wingnut is one one threaded end. At the other end is a vee cut in the metal and this holds the wire to be cinched down.

Just double up a section of baling wire, wrap around the two parts to join, passing the open ends of wire thru the middle loop of wire. The open ends are each wound around the 1.5 inch holding rods welded to the device sleeve. The middle wire loop is inserted into the vee grove at one end of the bolt and the wing nut cinches down. You bend and pull and eventually move the clamping device in a way that really tightens the wire down. Just snip the wire off the holding rods and bend tightly around the finished wire and you are done.

.. -Ed
--

-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Thu, 12 Aug 1999 11:30:27 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [47424] CQC Summer QSO Party Coming Soon
Message-ID: <199908121730.LAA01003@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Colorado QRP Club announces the 1999 CQC Summer QSO Party

Date/Time: Sunday, August 22, 1999 1800 UTC to 2359 UTC

Exchange: RS(T), State/Province/Country, First Name, and
Member # if CQC member, power output if not
ie: 579 CO Jim NR 04

Suggested frequencies

CW 1825, 3560, 3710, 7040, 7110, 14060, 21060,
21110, 28060, 28110

SSB 1910, 3985, 7285, 14285, 21385, 28385

No contacts on 30, 18 and 12 meters allowed

Classes: Single Band, Multi-band, portable
(all single operator only)

QSO Points:

CW- CQC member 6 pts, non-member 4 pts

SSB- CQC member 3 pts, non-member 2 pts

Multiplier: States/Provinces/Countries worked.

The same station may be worked on different bands
for additional QSO points and multipliers. Contacts on
the same band using a different mode counts for QSO
points, but not as an additional multiplier

Names: Total of first names from Name sheet. One first name per letter of
the alphabet. Name must be your commonly used name.

Score: Total Score = QSO Points x Multipliers x Names

*Bonus points for working Club Station W0CQC - Add 1000 points to your
FINAL score for working W0CQC

Power: Stations must use 5 watts or less output, CW or SSB. There are no power multipliers.

Awards: To Be Determined, Highest Score in each class

Submit log (postmarked within 30 days of contest end) showing:
Band, mode, time UTC, station called, RST rec'd, SPC rec'd,
Name rec'd, Memb.# rec'd (or power out if not CQC member,
multiplier, QSO points. Include a score recap line or sheet

Send paper logs to:

Colorado QRP Club; Box 371883; Denver, CO 80237-1883

Electronic logs must be sent in ASCII Text format to
contest@cqc.org

For sample Log, and Name sheets, send SASE and one unit first class
postage to:

Jim-KG0PP-CQC Contest; P.O.Box 31575; Aurora, CO 80041-0575

Date: Thu, 12 Aug 1999 13:20:13 -0500 (EST)
From: igeq100@iupui.edu
To: Paul L Conant <WQ5X@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [47425] Re: Vectronics QRP Kits
Message-ID: <Pine.HPP.3.96.990812131239.21910E-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Paul -

I have built the 40 meter version of the Tx and Rx and have had them on the air. They are built on high quality circuit boards and work quite well. The rx is quite stable and easy to use (it is direct conversion without RIT), and the Tx allows for automatic antenna switching. They're a lot of fun.

Vectronics is also advertising a transceiver version of the kits; apparently the Rx cannot be tuned across the band as in the stand-alone kit. Also, even the "main office" of Vectronics can't answer questions as to availability and details of function.

I am planning to built my 40 mtr Rx and Tx into one "transceiver-like" box - right now they are connected with alligator clip leads, etc.

The kits are a good value and lots of fun.
(all commercial disclaimers apply.)

72,

Richard Meiss, WB9LPU

On Thu, 12 Aug 1999, Paul L Conant wrote:

> I'd like to read some comments from folks who have built and used the
> Vectronics QRP transmitter and receiver kits.
>
> Paul, WQ5X
>

Date: Thu, 05 Aug 1999 12:23:28 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: we6w@qsl.net, qrp-l@lehigh.edu
Subject: [47426] Re: Simple, usable DF setup?
Message-ID: <37A9D6A0.3662081F@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed, There was a section in one of the ARRL handbooks several years ago, written by Tony Dorbruc - W1YNC at that time, and I think it was also in QST. This was basically an elevated crossed U Adcock system - remember the TRD-4/TRD6 systems with the fixed Adcock verticals? This was the goniometer driven system which was better than the SWRI Spinning Space Loop which was a mechanical nightmare, and very noisy. The later systems such as FRD10, FLR9 and the WABA, all used computer driven systems and not for the average experimenter, as you probably know. Even the small 2 or more channel Interferometer systems (like my last install) are too much, and costly. I think you could perhaps adapt the X-U Adcock system and use a diode driven system such as the Doppler DF system uses, except instead of VHF antennas and cable lengths, the HF system would be substituted. I do know that our radio engineering section had Doppler experimenting with the hf angle some years ago with mixed results. Indications were that it would work, but when the system was set up next to a freeway, with nearby power transmission lines, problems arose. In the Watson-Watt book, the distance from fences, power lines and other types of obstructions should be in the hundreds of yards in order not to give false readings. So, even if you use the elevated system, you could have the varying results

because of the nearby power lines, tree, etc.
Good luck with the project.

73
Ray
--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Thu, 12 Aug 1999 11:38:14 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [47427] Pacificon Preregistration for Badges
Message-ID: <01bee4f1\$d68452c0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jerry Parker is now taking names and is going to supply us with laminated name badges for Pacificon. These look great, you can see them a mile away, and have the official logo of Pacificon and NorCal on it, plus your call and a registration number. I am not going to let you know what color these are, but it is very California. These badges come with clips to easily attach to your shirt, and have your Name and Call on them so everyone will know who you are. They are laminated with 10 mil laminating material and will probably be found in landfills long after we are gone. Who knows, your name tag may be in a museum someday!!

To get on the list, send Jerry Parker your name and call. (Only if you are going to attend Pacificon this year though). He will make up your namebadge and have it ready for you when you get to Pacificon, being held Oct. 15 - 17 at the Sheraton Hotel in Concord, Ca.

NorCal has lined up another great lineup of speakers, including: Paul Harden, NA5N, Dick Pascoe, G0BPS, Mike Gipe, K1MG, Jim Kortge, K8IQY, Jim Duffey, KK6MC, and Joe Everhart, N2CX. They will all be speaking on Saturday, but you will want to arrive early on Friday, because we will be having a new event this year, the "Great Tuna Tin 2/MRX Receiver Building and Fox Hunt Operating Event". NorCal will give away 50 kits for the TT2 and MRX, with boards, parts, and even cases. You will build your kit

Friday, and then Friday evening we will have a special Fox hunt, with one of the world's greatest Foxes. The twist is that everyone will use a dummy load and a 4 foot piece of wire for an antenna. Should be fun.

The Sheraton hotel has special rates for the convention, so be sure and give them a call. The rate is \$79 per night.

Plus, don't forget, we will have a free compendium, and will print 300 this year. Compendiums are only for attendees and will not be available after the convention.

Remember, NO Extra Charge for any of the QRP events: (There is a \$5 advance / \$8 at the door convention charge, but that goes to the sponsoring club, Mt. Diablo, not NorCal). Forums, Friday Night Open House, Saturday Night Open House, Tuna Tin 2/MRX Receiver kits, Compendiums, Name Badges, all are provided by NorCal QRP Club. See you in October.

72, Doug, KI6DS

Date: Thu, 12 Aug 1999 15:48:12 -0400
From: "Elam, Gerry (CORP)" <gerry.elam@corporate.ge.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [47428] DSW-40 won't tune... longish or long-winded.
Message-ID: <815EB67B63FAD0118C0B00805FEA2CA301BBF6FC@XPHX01C0RPG>

> I had an EE professor at Auburn who used to tell us, "Y'all better go work
> for a large company when you graduate.... you'll bankrupt a small one!"
> It was said in good fun as he discussed our latest circuits 201 exam
> failure. His other favorite thing to tell us was, "If you're getting more
> power out of it that you're puttin' in it, come see me after class. We
> gonna get rich."

>
> Got a simple dipole up Monday and discovered that the DSW-40 wouldn't
> tune. Got out Dave's instructions and read through them a couple of
> times. Basically, it uses a shaft encoder to change frequencies using two
> signals A and B to coarse or fine tune it.

>
> Traced back the wires from the encoder to the chip through the wiring
> harness. Started checking voltages and found one of the signals was
> pulled to 0 V which went to 4 V when the harness was pulled that connects
> the shaft encoder to the board's chip. Should be at 4 V all the time
> unless you turn the shaft encoder. The other signal was fine. As you
> turn the shaft, it went from high to low.

>
> Confirmed my thoughts to Dave who gave me a couple of items to check none

> of which panned out. BTW, Dave was extremely responsive in responding to
> my inquiries. Besides an excellent design and instructions that even I
> can understand, he was a big help in confirming my troubleshooting
> thoughts.
>
> Went home last night, pulled the offending wire off of the encoder (the
> voltage went to 4 V) and changed frequencies by briefly grounding the
> signal! The shaft encoder also has a momentary contact which will give
> you the frequency in code when you push the encoder in so it is easy to
> see if playing with the signal actually worked.
>
> Time for a new shaft encoder I think. But unlike an 18-year old who
> claims to be old enough to drink beer because he's old enough to fight for
> his country, I shouldn't take credit for something I haven't done
> yet.....until I demonstrate it is fixed that is.
>
> My old professor, who I believe may even still be on this earth, might
> even be proud of me..... but I guess it's too late to ask for extra
> credit. :-)
>
> Cheers,
> Gerry, K1LR0
> PHX AZ

begin 600 winmail.dat

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M`'`'`'P`'`'`\$`'`'`'3\$`'`'0`'`'#H!`'`!00T1&14(P.0`!`'`'(<P`'`'`'`'`'X
MH;L0!>40&J&["`K\*E;"`!%35--1\$(N1\$Q,`'`'`';5?H@JF81S90(
M`\*H`'+\1:#`'`'%A02%@P,4-/4E!`10`0;SU`12]0=3U#3U)03U)!5\$408VX]
M4F5C:7!I96YT<R]C;CU%;&%M1P`N`'`'`'`'`'`'`#LZ/H?]`%-\$1C`L`@%_J+*,!
M`(%>MGMC^M`1C`L`@%_J+*,`'`'`%VH\$`'`'`'`'N`'`'`'`'`#LZ/H?]`%-\$1
MC`L`@%_J+*,!`(%>MGMC^M`1C`L`@%_J+*,`'`'`%VH(`!`'`'`!9&C\$FWU#3
M\$8PJ`(!?ZBRC-@`'`'\$4U<M-#`@=V]N)W0@='5N92XN+B!L;VYG:7-H("XN
M+BXN(&)R(&Q0;F<M=VEN9&5D+B`@`'`'`'`'P`7#`'`'`'`>`\$`0`0`'`#@`'`'\
M.#\$U14(V-T(V,T9!1#`Q,3A#,\$(P,#@P-49%03)#03,P,4)"1C9\$-\$!84\$A8

M,##3U)01T4^`,`WC^0;P`0`Y`%!DAIS[Y+X!`P#Q/PD\$``>`#%``0``
M`8```!%3\$%-1P```,`&D``````@`P0`\$```&```14Q!34<````#`!E`
M`````,`)`@``````P`V``````#`/T\_Y`0```,`@!#\_\_\_\_\_`@%```\$````W
M````8SU54SMA/4U!4DLT,##`[<#U'13ML/5A02%P,4-/4E!' +3DY,##Q,C\$Y
M-##Q,EHM,3(P-#4T````"?D_`0```\$8````````W*=`R,!"\$!JTN0@`*R_A
M@@\$````````+T\]1T403U4]0T]24\$]2051%+T-./5)%0TE0245.5%,00TX]
M14Q!34<````>`/\_`0```!,```!%;&%M+"!'97)R>2`H0T]24"D``!X`. \$`!
M````!@```\$5,04U``````@`[/P\$```!&````````-RG0,C`0A`:M+D(`"LO
MX8(!````````"]/4=%+T]5/4-/4E!/4D%412]#3CU214-)4\$E%3E13+T-.
M/45,04U``````'@#Z/P\$````3````16QA;2P@1V5R<GD@*\$-/4E`I````>`#E`
M`0````8```!%3\$%-1P```\$``!S`(']"<^^2^`4``"##`8,RB>^^2^`1X`/0`!
M````0````````>`!T.`0```#8````@1%-7+30P('=0;B=T('1U;F4N+BX@
M;&]N9VES:"`N+BXN+B!O<B!L;VYG+7=I;F1E9"X@(```!X`-1`!````.``
M`#PX,35%0C8W0C8S1D%\$,#\$Q.\$,P0C`P.#`U1D5!,D-!,S`Q0D)&-D9#0%A0
M2%P,4-/4E!'13X`"P`I``````+`,``,`0`````,`!A#6(OFY`P`'\$4&```#
M`!`0`0`0```,`\$1``````@`(\$`\$```!E````24A!1\$%.14504D]&15-33U)!
M5\$%50E523E=(3U5314143U1%3\$Q54RPB64%,3\$)%5%1%4D=/5T]22T9/4D%,
M05)'14-/35!!3EE72\$5.64]51U)!1%5!5\$593U5,3\$)!3DM250``````"7\
M`0```#@````\.`#\$U14(V-T(V,T9!1#`Q,3A#,\$(P,#@P-49%03)#03,P,4)"
51C9&0T!84\$A8,##3U)01T4^`.>/
`

end

Date: Thu, 12 Aug 1999 13:06:45 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [47429] Jerry Parker's email address for Pacificon Badge Registration
Message-ID: <01bee4fe\$34294aa0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

0000ps, forgot to give Jerry's email address to send him a message to preregister for the QRP events. (Note, this does not preregister you for the convention, you have to do that through the Mt. Diablo Radio Club). Anyway, here is Jerry's email address:

jparker@fix.net

72, See you in October, Doug

Date: Thu, 12 Aug 1999 15:21:41 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [47430] Looking for Manual
Message-ID: <3.0.3.32.19990812152141.00927930@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I still need a manual for a Fluke 853A Differential Voltmeter -- does anyone happen to have one that I could copy? I used to have URL addresses for a couple of sellers of old manuals, but I must have deleted 'em. Can anyone help me out on that?

72, Larry W1HUE/7

Date: Thu, 12 Aug 1999 18:24:02 -0400
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [47431] QRP Contesting This Weekend
Message-ID: <3.0.6.32.19990812182402.008b6700@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR  
THIS WEEKEND (and after)  
AUGUST 14-15, 1999  
~~~~~

QRP-C BIRTHDAY SPRINT *** QRP Contest ***

Aug.14 1600-2000Z, CW HF only.
Aug.15 1600-2000Z, SSB HF only

Rules: <http://www.gpfn.sk.ca/hobbies/rara/birth.html>
~~~~~

Maryland/DC QSO Party (SSB/CW) ... QRP Category

Aug 14 - 1600z to Aug 15 - 0400z  
Aug 15 - 1600z to Aug 15 - 2300z

Rules: <http://www.qsl.net/w3cwc/mdcqso.htm>

~~~~~  
AND LATER IN AUGUST.....

~~~~~  
North American QSO Party (SSB) ... QRP Interest

Aug 21 - 1800z to Aug 22 - 0600z

Rules: <http://www.waterw.com/~ncj/naqso.htm>

~~~~~  
Michigan Challenge (CW) *** QRP Contest ***

August 21 - 1600z to 2000z

Rules: <http://www.tir.com/~k8dd/miqrp.htm>

~~~~~  
QRP NJ QSO Party (CW/SSB) \*\*\* QRP Contest \*\*\*

Aug 21 - 2000z to Aug 22 - 0700z

Aug 22 - 1300z to Aug 23 - 0200z

Rules: <http://www.arrl.org/contests/months/aug.html>

The NJ QSO Party NOW has a QRP Contest sponsored by NJ QRP Club.  
Use the rules for the NJ QSO Party and add 100 pts per QSO  
with WQ2RP, the club station, for your score.  
Send logs by QRP stations to NJ QRP Club at N2CQ@ARRL.NET  
or by mail to Ken Newman, 81 Holly Drive, Woodbury, NJ 08096.  
Awards for QRPers will be provided by NJQRP. You may also enter  
a log to the Englewood ARA, sponsor of NJ QSO Party, seperatly.

~~~~~  
NJ QSO Party (CW/SSB) ... NOT QRP

Aug 21 - 2000z to Aug 22 - 0700z
Aug 22 - 1300z to Aug 23 - 0200z

Rules: <http://www.arrl.org/contests/months/aug.html>

~~~~~  
Colorado QRP Club - Summer QSO Party (SSB/CW) \*\*\* QRP CONTEST!\*\*\*

Aug 22- 1800z to 2400z

Rules: <http://home.sol.no/~janaalme/htmlrules/cqcsummer.html>

~~~~~  
Hawaii QSO Party (CW/SSB) ... QRP Category

Aug 28 - 1600z to Aug 29 - 2200z

Rules: <http://home.sol.no/~janaalme/htmlrules/qsohi.html>

~~~~~  
Ohio QSO Party (CW/SSB) ... QRP Category

Aug 28 - 1600z to Aug 29 - 0400z

Rules: <http://www.qsl.net/mrrc/oqp.html>

~~~~~  
South Dakota QSO Party (CW/SSB)... QRP Category

Aug 28 - 1600z to Aug 29 - 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>

~~~~~  
BUBBA Summer QRP Sprint (CW) \*\*\* QRP CONTEST! \*\*\*

Aug 29 - 1800z to 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>  
~~~~~

72 de
Ken Newman - N2CQ
Woodbury, NJ
N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~  
<http://www.njqrp.org/data/contesting.html>

~~~ NJ QRP Club Callsign ~~~  
WQ2RP

Date: Thu, 12 Aug 1999 15:43:23 -0700
From: Steve Baranowski <stevebar@ix.netcom.com>
To: "'nwq-1@scn.org'" <nwq-1@scn.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [47432] RE: Next NorthWest QRP Club Meeting
Message-ID: <01BEE4D9.92F7C4A0@localhost.u.washington.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bill -

Could you provide directions or an address for Andy's Diner? Some of us transplants are not familiar with it.

Thanks,

Steve / N1SB

Stephen A. Baranowski

stevebar@ix.netcom.com

-----Original Message-----
From: Bill Todd [SMTP:bill@willapabay.org]
Sent: Sunday, August 08, 1999 10:10 AM
To: nwq-1@scn.org
Cc: Low Power Amateur Radio Discussion
Subject: Next NorthWest QRP Club Meeting

nwq-1:
Hello Group(s) -

I hope you are taking advantage of the bands.

The next NW QRP Club meeting will be in two weeks....on August 21st, at 11 AM at Andy's Diner in downtown Seattle. All QRPers are welcome to attend. Even QROers who have not quite decided yet (he he) can come too.

Be sure to enter Andy's through the rear door, as the main doors do not open until 12 noon.

See you there folks!

CUL, Bill-N7MFB

<http://www.willapabay.org/~bill>

* * * * * From the Listowner * * * * *
Messages posted on this list are available on the Web at:
<http://www.scn.org/ip/nwqrp/nwq-1/>

End of QRP-L Digest 1546

